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SECRETM/EB 186/64
9 April 1964
Copy 1

MEMORANDUM FOR: Chief, Ballistic Missiles and Space Division, OSI

ATTENTION:

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Request for Line Drawings and Mensuration of Missile
Shown in Sovetskiy Voin, No. 3, 1964REFERENCES: (a) Requirement C-SI-4-81,108
(b) CIA/PID Project C 417-64

1. This memorandum is in response to your requirement dated 27 February 1964 requesting line drawings and mensuration of an alleged Soviet Naval missile shown in Sovetskiy Voin, No. 3, 1964.

2. Attached herewith are four mensural analysis of the missile with line drawings as performed by TID (NPIC). The results obtained from these analysis should be used with extreme caution. The dimensions were obtained by using assumed ratioing data, and as a result the answers are also assumed, and therefore, inconclusive. The quality of the magazine photograph was very poor and because of this, and the unknown perspective geometry of the print, errors could be as great as 35 percent.

A brief explanation of each analysis follows:



These ratioing dimensions were applied directly to the missile disregarding the perspective geometry of the magazine print. These dimensions could therefore be foreshortened by as much as minus 35 percent of their actual distances.

S-12280

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GROUP 1
Excluded from automatic
downgrading and
declassification

25X1

25X1

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Analysis 2

Same ratioing data as used in Analysis 1.

An attempt was made to refine the dimensions obtained in Analysis 1 by accounting for some of the perspective geometry of the print. The visible length of the missile was divided into seven sections, each being measured separately and keeping 3.6 feet as the constant scale and ratioing factor. By this method, the scale at the bottom of the missile was nearly the same as that near the nose. This method of dealing with the perspective geometry of the magazine print still results in only approximate dimensions with the dimensions only as good as the ratioing data and resulting in an inconclusive set of figures.

25X1

25X1

4. This project is considered to be complete.

25X1

Enclosures:

- 1 - Seven (7) line drawings
(CIA/PID/MEB-P-349/64 thru
P-355/64)
- 2 - One (1) copy Sovetskiy Voin, No. 3,
1964 (submitted with requirement)

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